

1. Objective

To ensure the functionality, usability, performance, security, and compatibility of the Amazon website, providing a seamless and secure shopping experience for users.

2. Scope

The testing will cover the main functionalities of the Amazon website, including but not limited to:

- Homepage navigation
- Search functionality
- Product pages
- Shopping cart and checkout process
- Account management
- Mobile responsiveness
- Security features

3. Test Approach

Manual Testing:

- **What it is:** Testing done by humans, where testers interact with the website like real users.
- **Example:** Clicking buttons, filling forms, and checking if everything works as expected.

Automated Testing:

- **What it is:** Testing done by software tools, where predefined tests are run automatically.
- **Example:** Running scripts to test login functionality, search features, and checkout processes without human intervention.

Combination Approach:

- **What it is:** Using both manual and automated testing to catch different types of issues.

- **Example:** Manual testing for user experience and complex scenarios, automated testing for repetitive tasks and quick checks.

4. Testing Methodology

The testing methodology will include:

- Functional testing
- Usability testing
- Performance testing
- Security testing
- Compatibility testing

5. Entry and Exit Criteria

1. Entry Criteria:

- (a) Completion of development and integration of features.
- (b) Availability of test environment.
- (c) Test data prepared and available.

2 . Exit Criteria:

- a) All critical functionalities tested and passed.
- b) Major and high-priority defects resolved or documented with mitigation plans.
- c) Test reports generated and reviewed.

6. Stop Testing

Testing will be stopped under the following conditions:

- Critical system failures impacting testing environment.
- Inability to access necessary resources for testing.
- Project timeline constraints.

7. Defect Testing

Defect testing will involve:

- Identifying defects through testing.
- Logging defects in a defect tracking tool.
- Prioritizing defects based on severity and impact.
- Verifying defect fixes and retesting impacted areas.

8. Test Environment

The test environment will consist of:

- Browsers: Chrome, Firefox, Safari, Edge
- Devices: Desktop, laptop, tablets, smartphones
- Operating Systems: Windows, macOS, iOS, Android
- Test tools: Selenium, JMeter, OWASP ZAP, BrowserStack

9. Roles and Responsibility

- **Test Lead:** Overall test planning, coordination, and reporting.
- **Testers:** Execute test cases, log defects, and provide feedback.
- **Developers:** Resolve defects and collaborate with testers for issue resolution.
- **Product Owners/Stakeholders:** Review test results and provide approvals.

10. Deliverables

The following deliverables will be produced:

- Test plan document outlining objectives, scope, approach, and methodology.
- Test cases with detailed steps and expected results.
- Test execution reports summarizing test results, defects, and coverage.

- Defect reports detailing identified issues, severity, and resolution status.
- Final test summary report with recommendations and approval status.